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APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/695,150 10/27/2003		Yasuo Shimizu	13425.16USD1	6475		
23552 75	90 06/02/2004		EXAMINER			
MERCHANT & GOULD PC P.O. BOX 2903			ДЕРИМРО ,	DEPUMPO, DANIEL G		
MINNEAPOLIS	S, MN 55402-0903		ART UNIT	PAPER NUMBER		
			3611	~		
		DATE MAILED: 06/02/200	4			

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary		Applica	tion No.	Applicant(s)	9			
		10/695,	150	SHIMIZU ET AL.				
		Examin	er	Art Unit				
			. DePumpo	3611				
Period fo	The MAILING DATE of this communication a r Reply	appears on ti	ne cover sheet with the d	correspondence address	;			
THE N - Exten after: - If the - If NO - Failur Any re	DRTENED STATUTORY PERIOD FOR REIMAILING DATE OF THIS COMMUNICATION IS SIX (6) MONTHS from the mailing date of this communication. Period for reply specified above is less than thirty (30) days, a period for reply is specified above, the maximum statutory perion to reply within the set or extended period for reply will, by state ply received by the Office later than three months after the maid patent term adjustment. See 37 CFR 1.704(b).	N. R 1.136(a). In no e reply within the sta iod will apply and atute, cause the ar	event, however, may a reply be tir atutory minimum of thirty (30) day will expire SIX (6) MONTHS from polication to become ABANDONE	mely filed ys will be considered timely. In the mailing date of this communication of the co	cation.			
Status								
1)⊠	Responsive to communication(s) filed on 14	1 May 2004.						
		non-final.						
3)	,							
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Dispositio	on of Claims							
5)□ 6)⊠ 7)⊠	Claim(s) <u>4-11</u> is/are pending in the application of the above claim(s) <u>10</u> is/are withdraw Claim(s) <u></u> is/are allowed. Claim(s) <u>4,5,7-9 and 11</u> is/are rejected. Claim(s) <u>6</u> is/are objected to. Claim(s) <u></u> are subject to restriction and	n from consi						
Application	on Papers							
9)[] 7	The specification is objected to by the Exami	iner.						
10)[] 7	Γhe drawing(s) filed on is/are: a) ☐ a	ccepted or b)□ objected to by the I	Examiner.				
	Applicant may not request that any objection to tl			* *				
	Replacement drawing sheet(s) including the corr							
11)[The oath or declaration is objected to by the	Examiner. N	ote the attached Office	Action or form PTO-152	2.			
Priority u	nder 35 U.S.C. § 119							
a)[∑	Acknowledgment is made of a claim for foreigned. All b) Some * c) None of: 1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the priority docume application from the International Bure be the attached detailed Office action for a li	ents have beents have beents have been indicate the contract of the contract o	en received. en received in Applicati ents have been receive le 17.2(a)).	on No. <u>10/079,610</u> . ed in this National Stage	;			
Attachment((s)							
2) 🔲 Notice 3) 🔯 Inform	of References Cited (PTO-892) of Draftsperson's Patent Drawing Review (PTO-948) ation Disclosure Statement(s) (PTO-1449 or PTO/SB/0 No(s)/Mail Date 10/27/03.	08)	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:					

Application/Control Number: 10/695,150

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1. Applicant's election without traverse of Species III (fig. 6, claims 4-9 and 11 readable thereon) in the paper filed 5/14/04 is acknowledged.

Claim 10 is withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected species, there being no allowable generic or linking claim.

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claims 4, 5, 7, 8, 9 and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Applicant's Admitted Prior Art (APA) in view of Mochizuki (JP403249451).

As disclosed at pages 1-3 of the instant specification, APA teaches all that is claimed, except for the distortion prevention unit. Mochizuki, however, teaches a worm shaft having a distortion prevention unit 6 (fig. 1). It would have been obvious to modify APA, by including a distortion prevention unit, as taught by Mochizuki, to prevent backlash and deflection of the worm (Mochizuki, Abstract).

- 4. Claim 6 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Arai, Toyomasa and Fowlkes disclose various devices having features in common with the instant invention.

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6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daniel G. DePumpo whose telephone number is 703 308-1113. The examiner can normally be reached on Monday - Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lesley Morris can be reached on 703 308 1113. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Daniel G. DePumpo Primary Examiner Art Unit 3611

dgd 5/25/04